

<110> Kaser, Matthew R.
Azimzai, Yalda
Yue, Henry

<120> POLYCYCLIC AROMATIC HYDROCARBON INDUCED MOLECULES

<130> PB-0011 US

<140> To Be Assigned

<141> Herewith

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<213> Homo sapiens

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<213> Homo sapiens

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<300>

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35 40 45
Gly Gly Val Val Gly Gly Thr Ile Asp Val Asn Ala Leu Glu Met
50 55 60
Val Ala His Ile Ser Glu His Pro Asn Gln Pro Ser His Lys
65 70 75
Ile Gln Ile Thr Met Gly Ser Thr Glu Ala Arg Val Asp Tyr Met
80 85 90
Gly Ser Ser Ile Leu Met Gly Ile Phe Ser Asn Ala Asp Leu Lys
95 100 105
Leu Gln Asp Glu Trp Lys Val Asn Leu Tyr Asn Thr Leu Asp Ser
110 115 120
Ser Ile Thr Asp Lys Ser Glu Ile Phe Val His Gly Asp Leu Lys
125 130 135
Trp Asp Ile Phe Gln Val Met Ile Ser Arg Ser Thr Thr Pro Asp
140 145 150
Leu Ile Lys Ile Gly Met Lys Leu Gln Glu Phe Phe Thr Gln Gln
155 160 165
Phe Asp Thr Ser Lys Arg Ala Leu Ser Thr Trp Gly Pro Val Pro
170 175 180
Tyr Leu Pro Pro Lys Thr Met Thr Ser Asn Leu Glu Lys Ser Ser
185 190 195
Gln Glu Gln Leu Leu Asp Ala Ala His His Arg His Trp Pro Gly
200 205 210
Val Leu Lys Val Val Ser Gly Cys His Ile Ser Leu Phe Gln Ile
215 220 225
Pro Leu Pro Glu Asp Gly Met Gln Phe Gly Gly Ser Met Ser Leu
230 235 240
His Gly Asn His Met Thr Leu Ala Cys Phe His Gly Pro Asn Phe
245 250 255
Arg Ser Lys Ser Trp Ala Leu Phe His Leu Glu Glu Pro Asn Ile
260 265 270
Ala Phe Trp Thr Glu Ala Gln Lys Ile Trp Glu Asp Gly Ser Ser
275 280 285
Asp His Ser Thr Tyr Ile Val Gln Thr Leu Asp Phe His Leu Gly
290 295 300
His Asn Thr Met Val Thr Lys Pro Cys Gly Ala Leu Glu Ser Pro
305 310 315
Met Ala Thr Ile Thr Lys Ile Thr Arg Arg Arg His Glu Asn Pro
320 325 330
Pro His Gly Val Ala Ser Val Lys Glu Trp Phe Asn Tyr Val Thr
335 340 345

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Ala Thr Arg Asn	Glu Leu Asn Leu	Leu Arg Asn Val Asp	Ala
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Asn Asn Thr Glu	Asn Ser Thr Thr Val	Lys Asn Ser Ser Leu	Leu
365	370		375
Ser Gly Phe Arg	Gly Gly Ser Ser Tyr	Asn His Glu Thr Glu	Thr
380	385		390
Ile Phe Ala Leu	Pro Arg Met Gln Leu	Asp Phe Lys Ser Ile	His
395	400		405
Val Gln Glu Pro	Gln Glu Pro Ser Leu	Gln Asp Ala Ser Leu	Lys
410	415		420
Pro Lys Val Glu	Cys Ser Val Val Thr	Glu Phe Thr Asp His	Ile
425	430		435
Cys Val Thr Met	Asp Ala Glu Leu Ile	Met Phe Leu His Asp	Leu
440	445		450
Val Ser Ala Tyr	Leu Lys Glu Lys Glu	Lys Ala Ile Phe Pro	Pro
455	460		465
Arg Ile Leu Ser	Thr Arg Pro Gly Gln	Lys Ser Pro Ile Ile	Ile
470	475		480
His Asp Asp Asn	Ser Ser Asp Lys Asp	Arg Glu Asp Ser Ile	Thr
485	490		495
Tyr Thr Thr Val	Asp Trp Arg Asp Phe	Met Cys Asn Thr Trp	His
500	505		510
Leu Glu Pro Thr	Leu Arg Leu Ile Ser	Trp Thr Gly Arg Lys	Ile
515	520		525
Asp Pro Val Gly	Val Asp Tyr Ile Leu	Gln Lys Leu Gly Phe	His
530	535		540
His Ala Arg Thr	Thr Ile Pro Lys Trp	Leu Gln Arg Gly Val	Met
545	550		555
Asp Pro Leu Asp	Lys Val Leu Ser Val	Leu Ile Lys Lys Leu	Gly
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 <213> Homo sapiens

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35	40
Ser Cys Gln Leu Thr Val Leu Glu Gly Lys Ser Gly Leu Tyr Phe	60
50	55
Ser Ser Leu Asp Ser Ser Ile Asp Ile Leu Gln Lys Arg Ala Gln	75
65	70
Glu Leu Ile Glu Asn Ile Asn Lys Ser Arg Gln Lys Asp His Ala	90
80	85
Leu Met Thr Asn Phe Arg Asn Ser Leu Lys Thr Lys Val Ser Asp	105
95	100
Leu Thr Glu Lys Leu Glu Glu Arg Ile Tyr Gln Ile Tyr Asn Asp	120
110	115
His Asn Lys Ile Ile Gln Glu Lys Leu Gln Glu Phe Thr Gln Lys	135
125	130
Met Ala Lys Ile Ser His Leu Glu Thr Glu Leu Lys Gln Val Cys	

	140		145		150
His Ser Val Glu	Thr Val Tyr Lys Asp	Leu Cys Leu Gln Pro	Glu		
	155		160		165
Gln Ser Leu Arg	Leu Arg Trp Gly Pro	Asp His Ser Arg Gly	Lys		
	170		175		180
Ser Pro Pro Arg	Pro Gly Asn Ser Gln	Pro Pro Asp Val Phe	Val		
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 <213> Homo sapiens

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<300>

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Thr Gly Gln Leu Ala Glu Leu Gln Pro Gln Asp Arg Ala Gly Ala	
35 40	45
Arg Ala Ser Trp Met Pro Met Phe Gln Arg Arg Arg Arg Asp	
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 <213> Rattus norvegicus

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<213> Rattus norvegicus

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<221>

<223> 700139271

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<210> 14

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<223> 700139271

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20 25 30
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35 40 45
Thr Asp Asp Ser Ala Leu Leu Met Leu Lys Arg Arg Lys Arg Asp
50 55 60
Thr Asn Phe Pro Ile Cys Leu Phe Cys Cys Lys Cys Lys Asn
65 70 75
Ser Ser Cys Gly Leu Cys Cys Ile Thr
80

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